

Express Mail No.  
EU 618 747 497 US

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

POWER OF ATTORNEY BY ASSIGNEE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

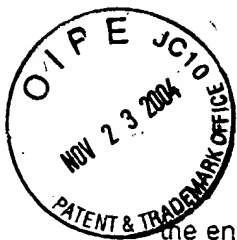
The undersigned Assignee of the entire interest in the above-identified application hereby grants power of attorney to the registered practitioners of Morgan, Lewis & Bockius LLP included in the Customer Number provided below to prosecute and transact all business in the Patent and Trademark Office connected with the applications listed below.

Application Number	U.S. Filing Date	Attorney Docket Number	Former Attorney Docket Number
09/668,181	09/22/2000	60999-128	7174-128
10/042,720	08/22/2001	60999-134	7174-0134-999
09/931,436	08/16/2001	60999-135	7174-135-999
09/977,740	10/15/2001	60999-145	7174-145
09/975,849	10/12/2001	60999-155	7174-155-999
10/358,371	02/04/2003	60999-157	7174-157-999
10/255,787	09/25/2002	60999-161	7174-161-999
10/319,921	12/13/2002	60999-169	7174-0169-999
10/265,548	10/07/2002	60999-171	7174-0171-999
10/208,636	07/29/2002	60999-173	7174-173
10/737,441	12/15/2003	60999-183	7174-183-999

Please direct that all correspondence be addressed to:

Customer Number 009629  
Patent Support Unit  
Morgan, Lewis & Bockius LLP  
1111 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004  
202.739.3001 (facsimile)

Please direct all telephone calls to Steven K. Fukuda at 212.309.6368.



CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Anadigics, Inc. a Delaware [State] corporation certifies that it is an assignor of the entire right, title, and interest; in the applications identified above by virtue of Assignments from the inventors of the applications identified above, as evidenced by the recorded assignments listed below.

Application Number	U.S. Filing Date	Attorney Docket No.	Reel/Frame	Recordation Date
09/668,181	09/22/2000	60990-128	011308/0369	11/22/2000
10/042,720	08/22/2001	60999-134	see attached copy	08/22/2001
09/931,436	08/16/2001	60999-135	012096/0797	08/16/2001
09/977,740	10/15/2001	60999-145	012514/0605	01/14/2002
09/975,849	10/12/2001	60999-155	012260/0215	10/12/2001
10/358,371	02/04/2003	60999-157	013747/0432	02/04/2003
10/255,787	09/25/2002	60999-161	013692/0631	01/21/2003
10/319,921	12/13/2002	60999-169	013590/0001	12/13/2002
10/265,548	10/07/2002	60999-171	013409/0635	10/07/2002
10/208,636	07/29/2002	60999-173	013189/0957	08/08/2002
10/737,441	12/15/2003	60999-183	011596/0058	03/02/2004

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the Assignee.

ANADIGICS, INC.  
35 Technology Drive  
Warren, NJ 07059

Dated: 2/20/03

By: *Charles Huang*

Printed Name: CHARLES HUANG

Title: EVP, CTO

JOINT

## ASSIGNMENT

WHEREAS, WE, Shihab AL-KURAN and Norman SCHEINBERG, ASSIGNORS, citizens of the United States, residing at 507 Cardinal Lane, Green Brook, New Jersey 08812 and 24 New Street, South River, New Jersey, 08832, respectively, are the inventors of the invention in MICROWAVE DC TO DC CONVERTER for which we have executed an application for a Patent of the United States

☒ which is executed on ☒ even date herewith or ☐ \_\_\_\_\_

☒ which is identified by Pennie & Edmonds US docket no. 7174-134-999  
☐ which was filed on , Application No.

and WHEREAS, ANADIGICS, INC., ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 8/22/01, 2001 [Signature] L.S.

Date 8/22/01, 2001 N. Scheinberg L.S.

State of \_\_\_\_\_ } SS.:  
 County of \_\_\_\_\_ }

On August 22, 2001, before me, Theresa S. Gauld, Notary Public, personally appeared Shihab Ahmed AL-KURAN, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

Theresa S. Gauld  
 Notary Public

State of \_\_\_\_\_ } SS.:  
 County of \_\_\_\_\_ }

**THERESA S. GAULD**  
 NOTARY PUBLIC OF NEW JERSEY  
 Commission Expires 6/6/2005

On August 22, 2001, before me, Theresa S. Gauld, Notary Public, personally appeared Norman SCHEINBERG, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

Theresa S. Gauld  
 Notary Public **THERESA S. GAULD**  
 NOTARY PUBLIC OF NEW JERSEY  
 Commission Expires 6/6/2005

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NY Office

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**ATTENTION: MAIL STOP PATENT APPLICATION  
PLEASE STAMP AND RETURN TO SHOW RECEIPT OF:**

Express Mail No. 618 747 497 US

Date Mailed: 03/11/04

Serial No.: see attached list

Filed: see attached list

1. Please charge Deposit Account No. 50-0310
2. Power of Attorney by Assignee (Anadigics, Inc.)

Attorney Docket No.: 60999-000  
Sender: Fukuda



13-182